"SciJinks" Activities for the Classroom **Support National Education Standards**

		Supported by National Education Standard	How do you make a weather satellite?	
S	Science Education Standards (grades 5-8)			
		ence Teaching Standards Teachers of spin as swide and facilitate learning		
	В.	 Teachers of science guide and facilitate learning. Orchestrate discourse among students about scientific ideas. Challenge students to accept and share responsibility for their own learning. Recognize and respond to student diversity and encourage all students to participate fully in science learning. 	X	
	Sci	ence Content Standards		
	C.	Life Science		
		 Regulation and behavior Keeping conditions in the organism within range to survive in the environment. 		
	D.	 Earth and Space Science Water cycle Atmosphere, global patterns Clouds, weather, climate 	X	
	E.	 Science and Technology Relationship between scientific inquiry and technology that provides solutions and benefits. Reciprocity of science and technology 	X	
	F.	 Science in Personal and Social Perspectives. Understanding natural hazards and preventive measures. Role of science and technology in society. 	X	
1	Technology Education Standards ² (grades 6-8)			
		Nature of technology		
	1.	Students will develop an understanding of the characteristics and scope of technology. • New products and systems can be developed to solve problems or to help do things that could not be done without the help of technology	X	

¹ National Science Education Standards. National Research Council, National Academy Press, 1996. ² Standards for Technological Literacy: Content for the Study of Technology, International Technology Education Association, 2000.

National Education Standard 2 Students will develop on understanding of the relationships among technology	How do you n a weather sat
 Students will develop an understanding of the relationships among technology connections between technology and other fields of study. Technology systems often interact with one another. 	X
Technology and Society	
 4. Students will develop an understanding of the cultural, social, economic, and political effects of technology. Use of technology affects humans in various ways, including their safe comfort, choices, and attitudes about technologies' development and use 	
 6. Students will develop an understanding of the role of society in the developme and use of technology. Throughout history, new technologies have resulted from the demands values, and interests of individuals, businesses, industries, and societies. Social and cultural priorities and values are reflected in technological devices. 	,
Math Education Standard ³ (grades 6-8)	
 Numbers and Operations Understand numbers, ways of representing numbers, relationships amo numbers, and number systems. (Fractions, decimals, ratios, proportion Compute fluently and make reasonable estimates. 	-
Use mathematical models to represent and understand quantitative relationships.	
Measurement	
 Understand measurable attributes of objects and the units, systems, and processes of measurement. Apply appropriate techniques, tools, and formulas to determine measurements. 	i
Data Analysis and Probability	L
 Formulate questions that can be addressed with data and collect, organiand display relevant data to answer them. Develop and evaluate inferences and predictions that are based on data Understand and apply basic concepts of probability. 	
Connections	
 Recognize and apply mathematics in contexts outside of mathematics. 	

³ Principles and Standards for School Mathematics. National Council of Teachers of Mathematics, 2005